First Nations Water Rights in British Columbia

A Historical Summary of the rights of the Chemainus First Nation

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British Columbia

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MINISTRY OF ENVIRONMENT, LANDS and PARKS
WATER MANAGEMENT BRANCH

FIRST NATIONS WATER RIGHTS IN BRITISH COLUMBIA:

A Historical Summary of the rights of the Chemainus First Nation

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Gary Robinson
Project Manager
Water Management Branch

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FIRST NATIONS WATER RIGHTS REPORT

BAND: Chemainus

ADDRESS: RR 1, Silverstrand Road, Ladysmith B.C., V0R 2E0

CHIEF: Peter Seymour

PHONE: 245-7155 **FAX:** 245-3012

AFFILIATION: Hul'qumi'num Tribal Council

LOCATION:

The Chemainus Band occupies four reserves located on the southeast end of Vancouver Island, near town of Chemainus, British Columbia.

These reserves are:

- Chemainus 13 - a 1,089 hectare reserve located on the east side of Ladysmith Harbour across from the town of Ladysmith.
- Oyster Bay 12 - a 75.6 hectare reserve located on the west side of Ladysmith Harbour, north of the town of Ladysmith.
- Say-La-Quas 10 - a 6 hectare reserve located on the left bank of Chemainus River, south of the town of Chemainus.
- Squaw-Hay-One 11 - a 31 hectare reserve located between the town of Chemainus and Say-La-Quas 10.

Located on southern Vancouver Island, the reserves sit at elevations ranging from sea level to 100 metres above sea level. The regional climate consists of average daily temperatures which range from 5 degrees centigrade in January to between 16 and 20 degrees centigrade in July. Annual rainfall for the area averages between 100 and 250 centimetres.

The most recent population figures from the Ministry of Finance show the Chemainus Band to have a population of 693 persons living on reserve as registered members. It's total population, including registered and non-registered members living on-reserve, on crown land and off-reserve, is 882.

Water courses of significance include:

- Government Spring, which is located on Oyster Bay 12 Reserve.

- Talkynah Creek, which flows south, through Chemainus 13, and drains into Ladysmith Harbour.

WATER ALLOCATIONS:

There is no record of any allocations of water made by the Indian Reserve Commission with respect to the Chemainus Band. Similarly, there is no record of an allocation by an Order in Council of the Lieutenant Governor in Council, nor any orders of the Board of Investigation. The water rights of the Chemainus Band have been determined by two actions of government over the years:

1) Granting of water licences in response to Federal Government applications requesting authorization for the use of water on reserve lands.

2) Actions to amend rights under licence, pursuant to provisions in the *Water Act.*

HISTORY, CURRENT STATUS, AND NOTES:

There is no indication that water licences have been granted to the Chemainus Band with respect to Say-La-Quas 10 and Squaw-Hay-One 11. Additionally, there is no evidence that any other types of water allocations to these reserves has occurred.

The history of water rights, the current status of rights and notes for the Chemainus Band with respect to the water sources on Chemainus 13 and Oyster Bay 12 are as follows:

CHEMAINUS #13

Talkynah Creek

History:

Aug 1, 1963 The Comptroller of Water Rights issued Conditional Water Licence 28196 to the Director of Indian Affairs, in response to their application. The licence was assigned a date of precedence of January 21, 1963, and authorized the diversion of 10,000 gallons of water a day from Talkynah Creek for waterworks purpose on Indian Reserve No. 13, Oyster Land District.

The Comptroller of Water Rights received the application for water rights on March 1, 1963. The Engineer's Report for Conditional Water Licence 28196, indicated the licence should have an earlier date of precedence of January 21, 1963. The Report stated that:

"This has been developed for years and only now is being legalized. Make priority 21 January 1963. Same as McCurdy 0247802 to protect Indian use."

Mar 15, 1984 The Comptroller of Water Rights issued Conditional Water Licence 58437 to the Chemainus Indian Band. The licence was assigned a date of precedence of February 23, 1981, and authorizes the diversion of 5,000 gallons of water a day from Talkynah Creek for waterworks purpose on Indian Reserve #13, (Chemainus), Oyster District.

Current Status:

There are three active water licences reported on Talkynah Creek. Of these licences:

- One authorizes the diversion of 1,000 gallons of water a day for domestic purpose.
- Two authorize the diversion of water for waterworks purpose, for a total quantity authorized of 15,000 gallons of water a day.

Conditional Water Licences 28196 and 58437 are the only licences active on Talkynah Creek for the benefit of the Chemainus Band. There is no information on file with respect to the current exercise of rights authorized under these licences.

Conditional Water Licence 28196 shares first priority rights with a licence held by a third party.

The Water Survey of Canada has no streamflow records for Talkynah Creek. The Engineer's Report for Conditional Water Licence 58437, reported an estimated minimum flow of 0.04 to 0.05 cubic feet per second on October 6, 1982.

Notes:

1. The Chemainus Band shares first priority rights on Talkynah Creek under Conditional Water Licence 28196.

2. Conditional Water Licences 28196 and 58473 authorize the diversion of water for waterworks purpose. Licencing for waterworks purpose qualifies the Talkynah Creek drainage area for designation as a Community Watershed under the Forest Practices Code.

OYSTER BAY #12

Government Spring

History:

Jan 2, 1952 The Comptroller of Water Rights issued Final Water Licence 14520 to the Minister of Public Works in accordance with an application filed by the same department. The licence was given a date of precedence of May 11, 1951, and authorizes the diversion of 5,000 gallons of water a day from Government Spring for domestic purpose at a drinking fountain and tap on Island Highway within District Lot 14G, Oyster District.

July 3, 1980 In accordance with an application for a transfer of appurtenancy filed by the Ministry of Transportation, the Comptroller of Water Rights issued Conditional Water Licence 53892, in substitution of Final Water Licence 14520, to the Minister of Lands, Parks and Housing. This licence was given a date of precedence of May 11, 1951, and authorized the diversion of 5,000 gallons of water a day from Government Spring for domestic purpose on Ivy Green Provincial Park within Lot 24G, Oyster District.

It was Transportation and Highways intention to move the drinking fountain, authorized under Final Water Licence 14520, to Ivy Green Provincial Park.

Dec 4, 1984 After consultation with the Ministry of Highways and the Ministry of Lands, Parks and Housing it was determined that the Government Spring drinking fountain, authorized under Conditional Water Licence 53892, had not been relocated to Ivy Green Provincial Park. Thus, in accordance with an application for a transfer of appurtenancy, filed by the Ministry of Lands, Parks and Housing, the Regional Water Manager issued an Order which redescribed the land upon which the water was to be used to part of Trans-Canada Highway (1157 R/W) lying within Lot 14G, Oyster District.

A memo to the Regional Manager from the Deputy Comptroller of Water Rights indicated that a new licence should have been issued with the transfer of appurtenancy, as found under Section 16 of the *Water Act*, instead of an Order amending Conditional Water Licence 53892.

Aug 19, 1985 The Comptroller of Water Rights received notification from representatives of the Chemainus Band that the Band would be using a portion of the water from Government Spring at Ivy Green Park as a temporary replacement for an existing well.

Mar 12, 1986 A memo written by the Deputy Comptroller of Water Rights to the

Vancouver Island Water Management Regional Office, outlined that the December 4, 1984 amendment to Conditional Water Licence 53892 was not valid. The Chemainus Band took possession of Ivy Green Provincial Park in June, 1984 making the application for a transfer of appurtenancy filed by the Ministry of Lands, Parks and Housing invalid, as the ownership of the land had changed since the application had been filed.

Current Status:

Conditional Water Licence 53892, in the name of the Chemainus Band, is the only active licence on Government Spring. There is no recent information on file with respect to the exercise of rights under this licence. There is nothing on file to indicate whether the water is currently being used within Ivy Green Provincial Park or at the Trans-Canada right-of-way.

A memo to the Deputy Comptroller of Water Rights from the Regional Water Manager indicated that single measurement on September 12, 1985, indicated a flow of approximately 28,000 gallons of water a day from Government Spring.

Notes:

1. If the Order, which amended the appurtenancy of Conditional Water Licence 53892, is invalid, then it may have to be revoked.

2. Under current licensing practices Conditional Water Licence 53892 would be issued for waterworks purposes. The amendment of this licence would allow for the designation of the Government Spring drainage area as a Community Watershed under the Forest Practices Code.

OTHER INFORMATION:

Alternate Water Sources:

i) Groundwater Records:

Review of records of the Groundwater Section finds evidence of nine wells on Chemainus 13. There is no groundwater information for the remainder of the Chemainus Bands reserves, Oyster Bay 12, Say-La-Quas 10 and Squaw-Hay-One 11. The amount of water which the wells on Chemainus 13 yield ranges from 1 gallon of water a minute to 10 gallons of water a minute. Further details regarding the wells on Chemainus 13 are included in the attachments of this report. The extent to which these wells are utilized at this time is unknown and as provision of this information is voluntary, it cannot be assumed to be complete.

ii) Municipal Water Sources:

The proximity of Chemainus 13 and Oyster Bay 12 to the town of Ladysmith and the fact that

Squaw-Hay-One 11 and Say-la-quas 10 are within the District of North Cowichan presents the potential for water supply to the Reserves via a municipal water system.

The town of Ladysmith has licences to obtain water from Banon Creek, Holland Creek and Stocking Lake, with a total amount authorized for waterworks purpose of 693,500,000 gallons of water a year. Reports on water consumption in 1994 indicated that the town experienced a peak daily demand of 2,006,871 gallons, this quantity is below the authorized daily allowance for waterworks purposes if the Town utilized all their authorized water rights.

The District of North Cowichan has licences to obtain water from Banon Creek, Crofton Lake, Holyoak Lake and Somenos Lake, with a total amount authorized for waterworks purpose of 1,368,750,000 gallons of water a year. Currently the District obtains their water from groundwater sources at Crofton Lake, Banon Creek and Holyoak Lake. Reports on water consumption in 1994, for the areas in which the District of North Cowichan used licensed surface water, indicate that the District experienced a peak daily demand of 1,463,700 gallons. This quantity is below the authorized daily allowance for waterworks purposes if the District utilized all their authorized water rights.

Summary of Water Rights Record

Chemainus First Nation

Water Source	Priority Date	Reserve Name	File Number	Document Type	Status	Superceded By	License PUC/MOD & OIC Allotments	Comments
Talkynah Creek	1963/01/21	Chemainus #13	0248431	C 28196	Current		10,000 GD/Waterworks	C 28196: Shares first priority rights with 3rd party license. Qualifies the Talkynah Cr. Drainage Area for designation as a Community Watershed.
Talkynah Creek	1981/02/23	Chemainus #13	0367932	C 58437	Current		5,000 GD/Waterworks	C 58437: Qualifies the Talkynah Cr. Drainage Area for designation as a Community Watershed under provisions
Government Spring	1951/05/11	Oyster Bay #12	0189740	F 14520	Superceded	C 53892	5,000 GD/Domestic	F 14520: The amendment Order may be determined to be invalid; accordingly the license may be revoked.
Government Spring	1951/05/11	Oyster Bay #12	0189740	C 53892	Current		5,000 GD/Domestic	C 53892: Qualifies the Government Spring Drainage Area for designation as a Community Watershed under

WATER RESOURCES SERVICE
WATER RIGHTS BRANCH

DEPARTMENT OF LANDS, FORESTS,
AND WATER RESOURCES

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Director, Indian Affairs Branch,
Department of Citizenship and Immigration of Ottawa, Ontario

is/are hereby authorized to divert and use water as follows:—

(*a*) The source(s) of the water-supply is/are Talkynah Creek.

(*b*) The point(s) of diversion is/are located as shown on the attached plan.

(*c*) The date from which this licence shall have precedence is 21st January, 1963.

(*d*) The purpose for which the water is to be used is waterworks.

(*e*) The maximum quantity of water which may be diverted is 10,000 gallons a day,

and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(*f*) The period of the year during which the water may be used is the whole year.

(*g*) The land upon which the water is to be used and to which this licence is appurtenant is
Indian Reserve No.13, Oyster Land District.

(*h*) The works authorized to be constructed are dam, pump, tank and pipe,

and they shall be located approximately as shown on the attached plan.

(*i*) The construction of the said works has been completed and the water shall be beneficially used on or before the 31st day of December, 1965.

ENTERED ON
Map No. 4801
R.H. PLP

A. F. Paget,
Comptroller of Water Rights.

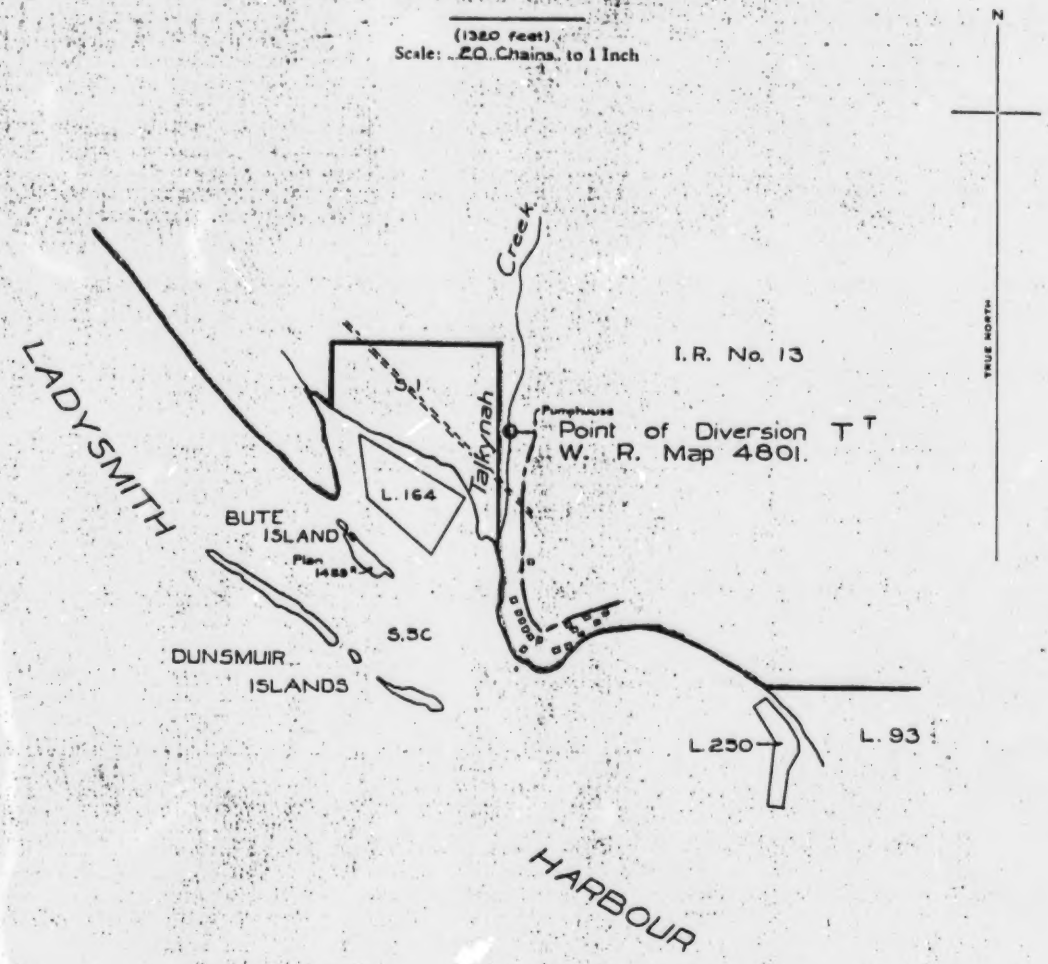
FILE No. 0248431 Date issued: 1 August, 1963 CONDITIONAL LICENCE No. 28196

British Columbia

NANAIMO WATER DISTRICT

OYSTER DISTRICT

(1320 feet)
Scale: 20 Chains to 1 Inch



LEGEND

Point of Diversion ●

Pipe ———

The boundaries of the land to which this licence is appurtenant are shown thus: ———

EXHIBIT "A"

Signature [signature]

Date 1 Aug. 1963

C.L. 28196

File 0248431

Province of British Columbia

Ministry of Environment

Water Management Branch

ORDER

WATER ACT

Section 15

File No. 0189740

In the matter of Conditional Water Licence 53892, which authorizes the diversion of water from Government Spring for domestic purpose.

Having determined that the land upon which the water is to be used and to which said licence is appurtenant has been redescribed, and being satisfied that no persons rights will be injuriously affected, I hereby amend clause (g) of said licence to read as follows:

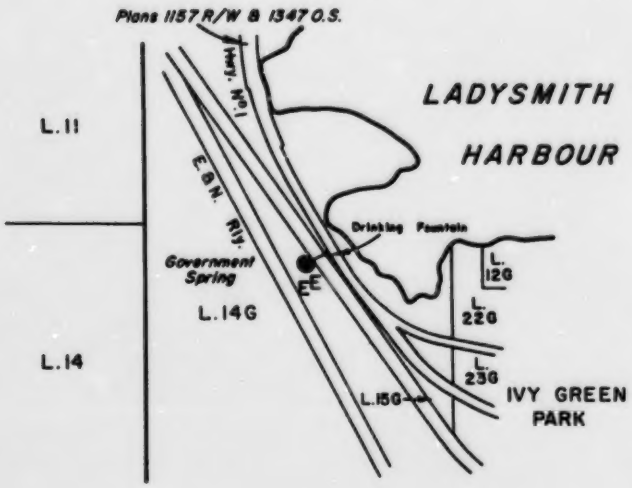
(g) The land upon which the water is to be used and to which this licence is appurtenant is that part of Trans-Canada Highway (1157 R/W) lying within Lot 14G, Oyster District.

Dated at Nanaimo, B. C., this 4th day of December, 1984.

B. Hollingshead
Regional Water Manager

INVALID - SEE FILE

Province of British Columbia



N

WATER DISTRICT : NANAIMO
PRECINCT : NANAIMO
LAND DISTRICT : OYSTER

LEGEND

Scale : 1000 Feet to 1 Inch
Point of Diversion : ●
Map Number : WR 4802F
Pipe : ——·——

Signature B. A. Ulyatt
Date 4 Dec 1984

Amended C.L. 53892
File 0189740

LAND AND WATER MANAGEMENT
WATER RIGHTS BRANCH

MINISTRY OF THE ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

The Honourable Minister of Lands, Parks and Housing (Parks Branch)
Parliament Buildings, Victoria, B.C.

is/are hereby authorized to divert and use water as follows:—

(*a*) The source(s) of the water-supply is/are Government Spring.

(*b*) The point(s) of diversion is/are located as shown on the attached plan.

(*c*) The date from which this licence shall have precedence is 11th May, 1951.

(*d*) The purpose for which the water is to be used is domestic.

(*e*) The maximum quantity of water which may be diverted is 5,000gallons a day,

and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(*f*) The period of the year during which the water may be used is the whole year.

(*g*) The land upon which the water is to be used and to which this licence is appurtenant is Ivy Green Provincial Park within Lot 24G, Oyster District.

(*h*) The works authorized to be constructed are diversion structure, pipe and fountain,

which shall be located approximately as shown on the attached plan.

(*i*) The construction of the said works has been commenced and shall be completed and the water beneficially used on or before the 31st day of December, 1982.

(j) This licence is issued in substitution of Final Water Licence 14520 under Section 16 of the Water Act.

H.D. DeBeck,
Comptroller of Water Rights.

File No. 0189740 Date issued: 3rd July, 1980 Conditional Licence No. 53892

AMENDED 4.12.84

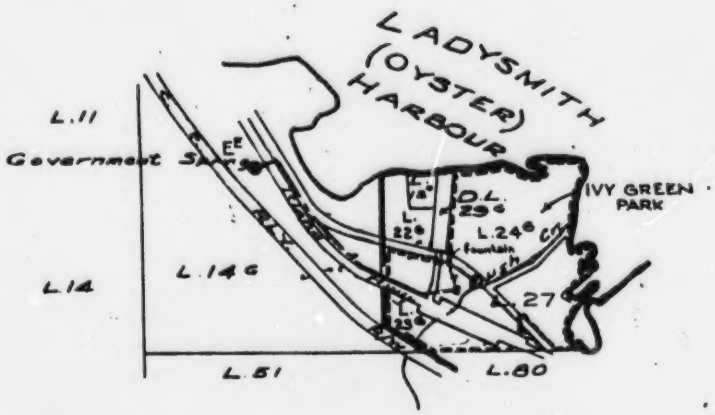
ENTERED ON
Map No. 92O/5E
By

British Columbia

NANAIMO WATER DISTRICT

OYSTER DISTRICT

Scale: 20 Chains to 1 inch



LEGEND

Point of Diversion ●
W.R. Map 4802 F
Pipe — - —

The boundaries of the land to which this licence is appurtenant is IVY GREEN PARK - - - - - -

Within Diamond Improvement District ———

Signature [signature]

Date 3rd July 1980

C.L. 53692 for F.L. 14520

File 0185740

Nanaimo Precinct

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Chemainus Indian Band of R. R. #1, Ladysmith, B. C. V0R 2E0

is hereby authorized to divert and use water as follows:

(a) The source of the water-supply is Talkynah Creek.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 23rd February, 1981.

(d) The purpose for which the water is to be used is industrial (water distribution).

(e) The maximum quantity of water which may be diverted is 5,000 gallons a day, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Indian Reserve #13, (Chemainus), Oyster District.

(h) The works authorized to be constructed are diversion structure, pump, tank and pipe, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 30th day of September, 1984, and shall be completed and the water beneficially used on or before the 31st day of December, 1987.

J. E. Farrell,
Deputy Comptroller of Water Rights.

File No. 0367932 Date issued: 15th March, 1984 Conditional Licence 58437

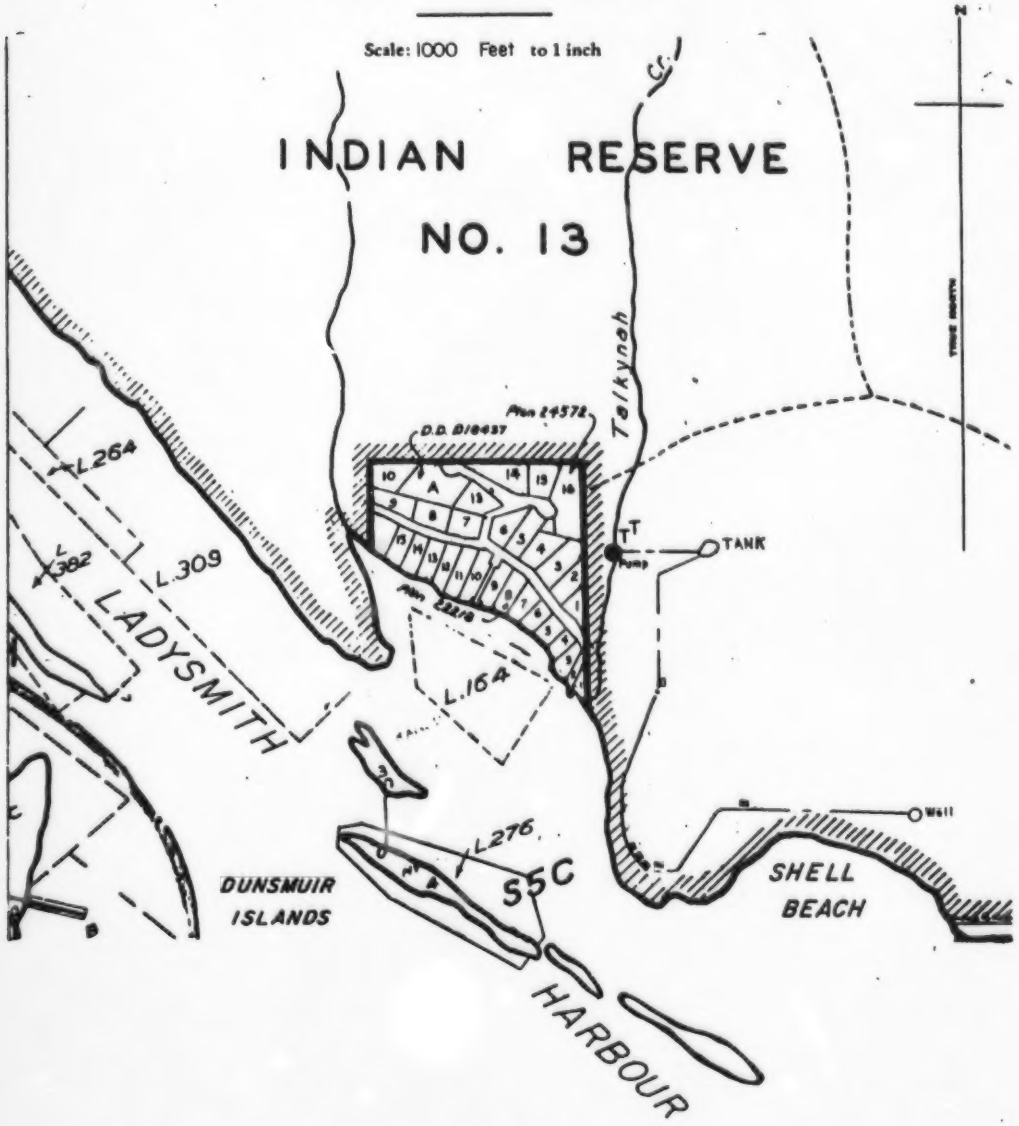
ENTERED ON
Map No. 4901
By

British Columbia

NANAIMO WATER DISTRICT

OYSTER DISTRICT

Scale: 1000 Feet to 1 inch



LEGEND

Point of Diversion ●
W.R. Map 4801
Pipe ——— - ———

The boundaries of the land to which this licence is appurtenant are shown thus: ////////////

Signature [signature]

Date 15th Mar. 1984.

C.L. 58437
File 0367932

Nanaimo Precinct.

W.R.B. 17—6M-750-9248 (2)

PROVINCE OF BRITISH COLUMBIA

Water Rights Branch

DEPARTMENT OF LANDS AND FORESTS

FINAL WATER LICENCE

THE HONOURABLE THE MINISTER OF PUBLIC WORKS OF THE PROVINCE OF BRITISH COLUMBIA of Victoria, B.C., is

hereby authorized to divert and use water as follows:—

(a) The source of the water-supply is Government Spring.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 11th May, 1951.

(d) The purpose for which the water is to be used is Domestic.

(e) The maximum quantity of water which may be diverted is 5,000 gallons a day and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is Drinking Fountain and Tap on Island Highway within District Lot 140, Oyster District.

(h) The works authorized hereunder are reservoir, pipe and fountain located as shown on the attached plan.

(i) [redacted]

(E.H. Tredcroft)
Comptroller of Water Rights.

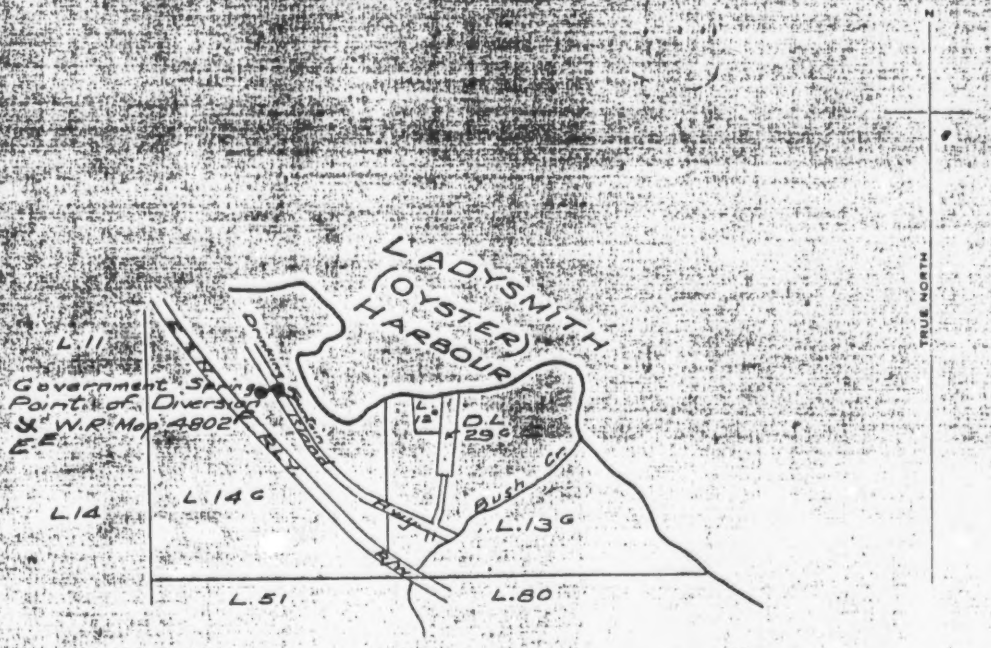
File No. 0189740 Date issued January 2, 1952 Licence No. 14520

British Columbia

To accompany Final Licence No. 14520

NANAIMO WATER DISTRICT

Scale: 20 Chains to 1 Inch.



OYSTER DISTRICT

LEGEND

Point of Diversion ●

Pipe ———

The boundaries of the land to which this licence is appurtenant are shown thus: ■■■■■

Signature E. Hall

Date 2nd Nov 1952

E.L. 14520

File 0189740

EXHIBIT "A"

Stream Register Report Water Licence Information System

Report Requested By : DJOLLY
Date Report Requested : 1996/06/27 16:22
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD30657 - 4802F ER
END POINT : SO19091 - Government Spring

Stream Register Report

Water Licence Information System

DATE: 1996/06/27
TIME: 16:22
PAGE: 001

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source		WR Map	POD	RED POD Comments					Prec	
1951/05/11	C053892	0189740	THAT PART OF TRANS-CAN HWY (PLAN 1157RW) WITHIN L 140 OYSTER DIST	CHEMAINUS INDIAN BAND 974-641-6798 RR1 LADYSMITH BC V0R2E0	DOM	5,000.00 GD	Jan 01	Dec 31		
Government Spring			WR4802P	EE N					17A NAN - NANAIMO	

---------- Total of 1 Licence Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : DJOLLY
Date Report Requested : 1996/06/27 16:22
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD30735 - 4801 TT
END POINT : SO19084 - Talkynah Creek on Salt Water

Stream Register Report

Water Licence Information System

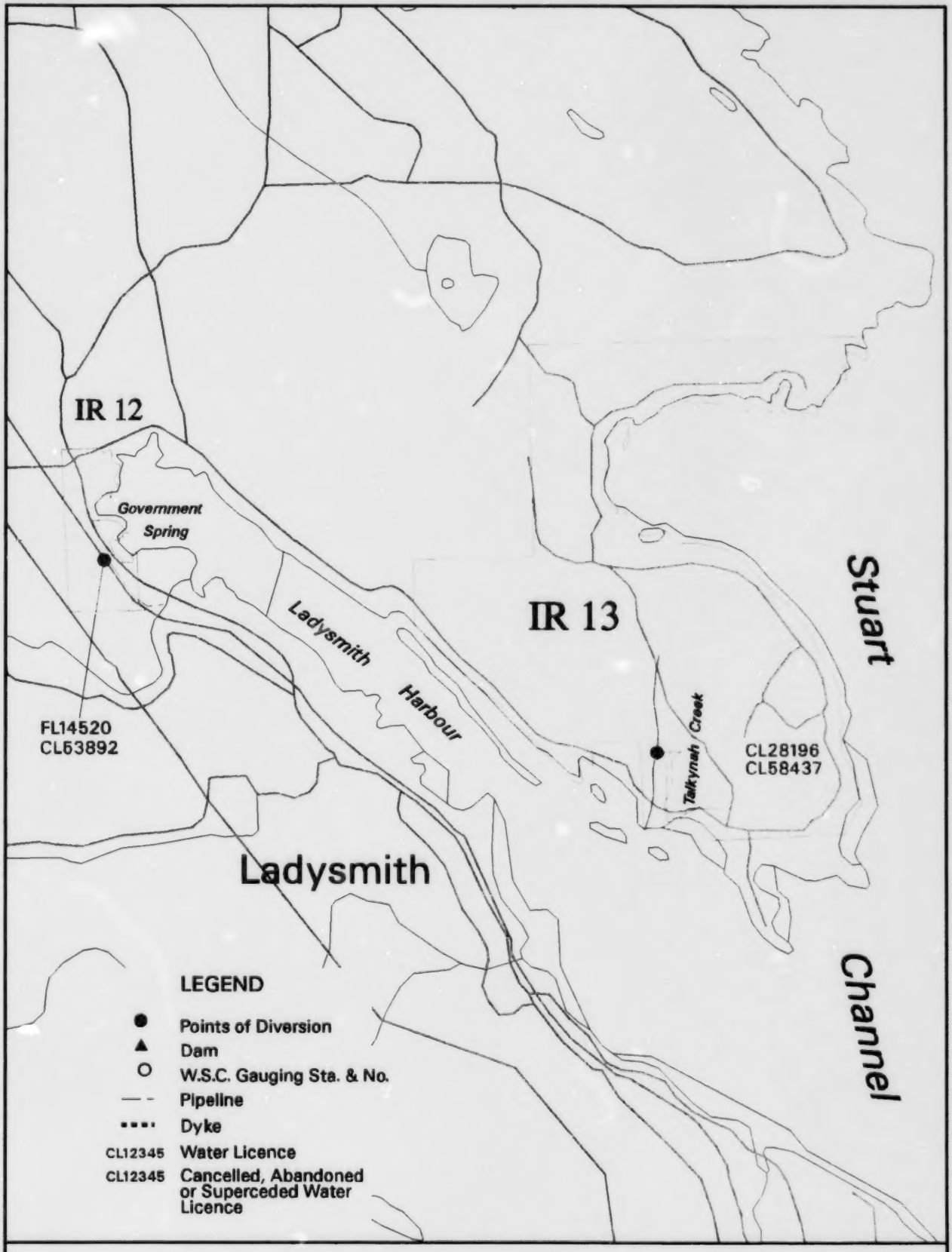
DATE: 1996/06/27
TIME: 16:22
PAGE: 001

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	POC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source			WR Map	POD	RED POD Comments				Prec	
1963/01/21	C028005	0247802	THAT PART OF SEC 5-C BUTE I SHOWN OUTLINED IN RED ON PLAN 1489R	MCCURDY JAMES G 815 HOGE BLDG 705-2ND AVE SEATTLE WA 98104	DOM	1,000.00 GD	Jan 01	Dec 31		
Talkynah Creek			WR4801	SS	N				17A NAN - NANAIMO	
1963/01/21	C028196	0248431	IR #13 (CHEMAINUS) OYSTER DIST	CHEMAINUS INDIAN BAND 974-641-6798 RR1 LADYSMITH BC V0R2E0	WWKOT	10,000.00 GD	Jan 01	Dec 31		
Talkynah Creek			WR4801	TT	N				17A NAN - NANAIMO	
1981/02/23	C058437	0367932	IR #13 (CHEMAINUS) OYSTER DIST	CHEMAINUS INDIAN BAND 974-641-6798 RR1 LADYSMITH BC V0R2E0	WWKOT	5,000.00 GD	Jan 01	Dec 31		
Talkynah Creek			WR4801	TT	N				17A NAN - NANAIMO	

---------- Total of 3 Licences Reported ----------

BCGS Map Area	Well No.	Well Tag No.	Lot No.	Plan No.	Blk No.	TP	SC	RG	D.L.	X	Y	Old Well No.	L.D.	Site Address	Date Constructed (dmy)	Well Depth (ft.)	Well Diam. (in.)	Drill Contr No.	Const. Method	Well Yield	Yld. Unt.	Depth to Water (ft.)	Depth to Bedrk (ft.)	Aquif Litho	Screen Interval (ft.)	G.W. Rpt	Chem Lab	Chem Fld	Chem Site No.
092B.092.2.1.1	001	0000000016076					11	7		00	00	00	001	06		01-07-1959	0.0	0.0	UNK	UNK		UNK	UNK	UNC					
092B.092.3.3.2	001	0000000022391	3	21332					93	00	05	04	003	42	EVENING COVE	17-05-1969	75.0	0.0	046	DRI	10.0	GPM	25	10	RED					
092B.092.3.3.2	002	0000000022452	5	21332					93	00	05	04	004	42	EVENING COVE	02-06-1969	46.0	6.0	046	DRI	1.0	GPM	13	0	RED					
092B.092.3.3.2	003	0000000022415	6	21332					93	00	05	04	005	42	EVENING COVE	27-05-1969	85.0	0.0	046	DRI	7.0	GPM	15	3	RED					
092B.092.3.3.2	004	0000000022471	2	3184						00	05	04	006	42	EVENING COVE	09-06-1969	173.0	0.0	046	DRI	30.0	GPM	27	68	RED					
092B.092.3.3.2	005	0000000021086	2	16576					93	00	05	04	008	42	SHARPE POINT	08-12-1967	29.0	6.0	108	DRI	2.0	GPM	18	UNK	UNC	24-29				
092B.092.3.3.2	006	0000000029687	4	16576					93	00	05	04	012	42	FAIRTIDE RD SHARP PO	01-01-1974	46.0	6.0	046	DRI	3.0	GPM	25	UNK	UNC					
092B.092.3.3.2	007	0000000033714	3	16576					93	00	05	04	014	42		20-10-1975	61.0	6.0	078	DRI	1.5	GPM	41	UNK	UNC	55-61				
092B.092.3.3.2	008	0000000039135	A	22257					93	00	05	04	015	42	FAIRTIDE RD	08-01-1978	64.0	6.0	046	DRI	5.0	GPM	20	4	RED					
092B.092.3.3.2	009	0000000041409	1	16576					93	00	05	04	016	42	FAIRTIDE RD	01-01-1979	50.0	6.0	078	DRI	2.0	GPM	UNK	UNK	UNC	45-50				
092B.092.3.3.2	010	0000000040823	1	3184					93	00	05	04	022	42	SHARPS POINT	12-10-1978	105.0	6.0	046	DRI	3.0	GPM	30	2	RED					
092B.092.3.3.2	011	0000000040807	1	3184					93	00	05	04	023	42	SHARPS POINT	10-10-1978	453.0	6.0	046	UNK			UNK	51	RED					
092B.092.3.3.3	001	0000000013112	93							00	04	04	001	42		01-01-1950	12.0	0.0	UNK	DUG			2	UNK	UNC					
092B.092.3.3.3	002	0000000021650	16	22218			1			00	04	05	001	42	EVENING COVE RD	01-05-1968	203.0	6.0	UNK	UNK	9.0	IGN	34	0	RED		Y	Y		1401569
092B.092.3.3.3	003	0000000051036	13	24572						00	04	05	002	42	ENTRANCE ROAD	22-09-1982	62.0	6.0	046	DRI	6.0	GPM	15	14	RED					
092B.092.3.3.3	004	0000000021679	B	3184					93	00	04	04	002	42	EAST SIDE OF HARBOUR	31-07-1968	49.0	6.0	046	UNK	5.0	GPM	37	UNK	UNC					
092B.092.3.3.3	005	0000000050998	4	24572						00	04	05	003	42	ENTRANCE RD	15-09-1982	600.0	6.0	046	DRI	2.0	GPM	65	0	RED					
092B.092.3.3.3	006	0000000027176	2	25436					93	00	04	04	003	42	PILON RD	30-10-1972	104.0	6.0	160	DRI	10.0	GPM	36	34	RED					
092B.092.3.3.3	007	0000000051421	4	24572						00	04	05	004	42	ENTRANCE RD	01-01-1983	200.0	6.0	046	DRI	1.0	GPM	30	4	RED					
092B.092.3.3.3	008	0000000052939	3	25436					93	00	04	04	005	42	PILON ROAD	25-10-1983	60.0	6.0	075	DRI	20.0	GPM	UNK	UNK	UNC	55-60				
092B.092.3.3.3	009	0000000035348	1	24573						00	04	05	005	42	EVENING COVE ROAD	28-07-1976	104.0	6.5	UNK	UNK	18.0	GPM	37	30	RED			Y		
092B.092.3.3.3	010	0000000035221	16	22218						00	04	05	006	42	MAMAMA RD	01-07-1976	0.0	0.0	076	UNK			UNK	UNK	UNC					
092B.092.3.3.3	011	0000000052938	2	25436					93	00	04	04	006	42	PILON RD	25-10-1983	80.0	6.0	075	DRI	0.5	GPM	UNK	25	RED					
092B.092.3.3.3	012	0000000051420							11	00	04	05	007	42	CHURCH ROAD	31-12-1982	75.0	0.0	046	DRI	10.0	GPM	60	UNK	UNC					
092B.092.3.3.3	013	0000000053948	1	25436					43	00	04	04	007	42	PILON ROAD	24-08-1984	82.0	6.0	046	DRI	6.0	GPM	42	37	RED					
092B.092.3.3.3	014	0000000053917	B	22682					93	00	04	04	008	42	PILON ROAD	19-08-1984	0.0	0.0	046	DRI			UNK	UNK	UNC					
092B.092.3.3.3	015	0000000053849	1	25436					93	00	04	04	009	42	PILON RD	01-08-1984	30.0	0.0	046	DRI			UNK	UNK	UNC					
092B.092.3.3.3	016	0000000032177	3	16141			14	1		00	00	00	001	42	PILON ROAD	11-03-1975	135.0	6.0	046	DRI			45	36	RED					
092B.092.3.3.4	001	0000000013127	93							00	05	04	001	42		01-01-1950	5.0	0.0	UNK	UNK			UNK	UNK	UNC					
092B.092.3.3.4	002	0000000013128	13							00	05	04	002	42		01-01-1950	0.0	0.0	UNK	DUG			UNK	UNK	UNC					
092B.092.3.3.4	003	0000000045926	5	2152					93	00	04	04	004	42	FAIRTIDE & EVENING C	27-08-1980	122.0	6.0	046	DRI	12.0	GPM	48	26	RED					
092B.092.3.3.4	004	0000000022767								00	05	04	007	42	EVENING COVE	03-09-1969	54.0	0.0	046	DRI	10.0	GPM	25		UNC					
092B.092.3.3.4	005	0000000026899							93	00	05	04	009	42	SKELL BEACH ESTATES	01-09-1972	79.0	6.0	046	DRI	6.0	IGN	25	UNK	UNC			Y		
092B.092.3.3.4	006	0000000027067								00	05	04	010	42	EVENING COVE	02-10-1972	150.0	6.0	046	DRI	20.0	GPM	16	50	RED					
092B.092.3.3.4	007	0000000027069								00	05	04	011	42	EVENING COVE	03-10-1972	25.0	6.0	046	DRI			UNK	UNK	UNC					
092B.092.3.3.4	008	0000000033592	17	26185					93	00	05	04	013	42	STUART CHANNEL	01-10-1975	330.0	8.0	UNK	DRI	10.0	USGM	37	81	RED			Y		
092B.092.3.3.4	009	0000000039357								00	05	04	007	42	SKELL BEACH RD	05-03-1978	80.0	6.0	046	DRI	5.0	GPM	47	UNK	UNC					
092B.092.3.3.4	010	0000000041401	9	32272					93	00	05	04	018	42	EVENING COVE	01-01-1979	515.0	6.0	046	DRI	0.5	GPM	51	28	RED					
092B.092.3.3.4	011	0000000042647	1	36326					93	00	05	04	019	42	EVENING COVE	22-06-1979	25.0	6.0	046	DRI	10.0	GPM	11	UNK	UNC	20-25				
092B.092.3.3.4	012	0000000039034	2	1507					93	00	05	04	020	42	SHELL BEACH RD	01-01-1978	96.0	0.0	046	DRI			UNK	UNK	UNC					
092B.092.3.3.4	013	0000000039035	8	26185					93	00	05	04	021	42	EVENING COVE	01-01-1978	125.0	6.0	046	DRI	8.0	GPM	41	4	RED					
092B.092.3.3.4	014	0000000029305	17	26185					93	00	00	00	000	42	SKELL BEACH ESTATES	07-12-1973	290.0	8.0	046	DRI	12.0	GPM	40	81	RED					
092G.001.2.2.1	001	0000000007109	77							00	01	06	001	42		01-01-1950	36.0	0.0	UNK	DUG			UNK	UNK	RED					
092G.001.2.2.1	002	0000000007110	73							00	01	05	001	42		01-01-1950	14.0	0.0	UNK	DUG			UNK	8	RED					
092G.001.2.2.1	003	0000000016667	66							00	02	05	001	42		01-11-1960	50.0	8.0	046	DRI	10.0	GPM	29	20	RED					
092G.001.2.2.1	004	0000000007112	65							00	02	05	002	42		01-01-1950	30.0	0.0	UNK	DUG			UNK	UNK	RED					
092G.001.2.2.1	005	0000000007113	80							00	01	06	002	42		01-01-1950	18.0	0.0	UNK	DUG			8	UNK	RED					
092G.001.2.2.1	006	0000000007114	68							00	01	05	002	42		01-01-1950	15.0	0.0	UNK	DUG			10	UNK	UNC					
092G.001.2.2.1	007	0000000007115	70							00	01	06	003	42		01-01-1950	27.0	6.0	108	DRI			21	23	RED					
092G.001.2.2.1	008	0000000007116	73							00	01	05	003	42		01-01-1950	20.0	0.0	UNK	DUG			15	UNK	RED					
092G.001.2.2.1	009	0000000003386	66							00	02	05	003	42		01-10-1949	80.0	6.0	108	DRI	1.5	GPM	33	0	RED					
092G.001.2.2.1	010	0000000007118	69							00	02	05	004	42		01-01-1950	15.0	0.0	UNK	DUG			UNK	UNK	RED					
092G.001.2.2.1	011	0000000013697	66							00	02	05	023	42		01-01-1953	60.0	0.0	108	UNK			UNK	UNK	UNC					
092G.001.2.2.1	012	0000000007120	69							00	01	05	004	42		01-01-1950	0.0	0.0	UNK	UNK			UNK	UNK	RED					
092G.001.2.2.1	013	0000000007121	66							00	02	05	024	42		01-01-1950	45.0	0.0	108	DRI			UNK	24	RED					
092G.001.2.2.1	014	0000000007122	68							00	01	05	005	42		01-01-1950	14.0	0.0	UNK	DUG			9	UNK	UNC					
092G.001.2.2.1	015	0000000007123	69							00	02	05	005	42		01-01-1950	16.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.1	016	0000000003366	77							00	02	06	005	42		01-03-1949	70.0	6.0	108	DRI	1.0	GPM	15	4	RED					

BCGS Map Area	Well No.	Well Tag No.	Lot No.	Plan No.	Blk No.	TP	SC	RG	D.L.	I	X	Y	Old Well No.	L.D.	Site Address	Date Constructed (dmy)	Well Depth (ft.)	Well Diam. (in.)	Drill Contr No.	Const. Method	Well Yield	Yld. Unt.	Depth to Water (ft.)	Depth to Bedrk (ft.)	Aquif Litho	Screen Interval (ft.)	G.W. Kpt	Chem Lab	Chem Fld	Chem Site No.
092G.001.2.2.1	026	0000000016602	81							00	02	05	009	42		01-07-1960	208.0	6.0	108	DRI			UNK	UNK	UNC					
092G.001.2.2.1	027	0000000007134	81							00	02	05	010	42		01-01-1950	10.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.1	028	0000000007135	70							00	01	06	010	42		01-01-1950	20.0	0.0	UNK	DUG			17	UNK	UNC					
092G.001.2.2.1	029	0000000007136	77							00	01	06	011	42		01-01-1950	25.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.1	030	0000000007137	94							00	02	05	011	42		01-01-1950	10.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.1	031	0000000007138	65							00	02	05	012	42		01-01-1950	35.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.X	032	0000000007139	77							00	01	06	012	42		01-01-1950	36.0	0.0	UNK	DUG			30	UNK	UNC					
092G.001.2.2.1	033	0000000007140	84							00	02	05	018	42		01-01-1950	57.0	0.0	UNK	DUG			55	UNK	UNC					
092G.001.2.2.1	034	0000000007141	81							00	02	05	013	42		01-01-1950	65.0	0.0	UNK	DUG			64	UNK	UNC					
092G.001.2.2.1	035	0000000016352	81							00	02	05	014	42		01-01-1960	71.0	0.0	108	DRI			UNK	61	UNC					
092G.001.2.2.1	036	0000000015016	76							00	02	05	025	42		01-01-1957	105.0	0.0	108	DRI			UNK	UNK	BED					
092G.001.2.2.1	037	0000000003525	70							00	01	06	015	42		01-01-1950	0.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.1	038	0000000015209	81							00	02	05	015	42		01-10-1957	66.0	6.0	108	DRI	5.0	GPM	59	UNK	UNC					
092G.001.2.2.1	039	0000000007145	87							00	02	05	016	42		01-01-1950	6.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.1	040	0000000007146	74							00	02	05	017	42		01-01-1950	52.0	0.0	108	DRI	5.0	GPM	40	UNK	UNC					
092G.001.2.2.1	041	0000000007147								00	02	05	026	42		01-01-1950	0.0	0.0	UNK	UNK			UNK	UNK	UNC					
092G.001.2.2.3	001	0000006016061	23							00	02	06	002	42		01-06-1959	42.0	6.0	108	DRI	4.0	GPM	16	15	BED					
092G.001.2.2.3	002	0000000007154	82							00	02	06	007	42		01-01-1950	27.0	0.0	UNK	UNK			19	UNK	UNC					
092G.001.2.2.3	003	0000000007155	23							00	02	06	008	42		01-01-1950	14.0	0.0	UNK	DUG			3	UNK	UNC					
092G.001.2.2.3	004	0000000013824	23							00	02	06	009	42		01-01-1952	70.0	10.0	108	DRI			UNK	UNK	UNC					
092G.001.2.2.3	005	0000000020096	1	11049					23	00	02	06	011	42		09-08-1966	90.0	5.0	108	DRI	2.0	GPM	35	3	BED					
092G.001.2.2.3	006	0000000020100	2	11049					23	00	02	06	013	42		11-08-1966	70.0	5.0	108	DRI	3.0	GPM	22	17	BED					
092G.001.2.2.3	007	0000000021357	3	18300					23	00	02	06	013	42	PAGE RD	15-03-1968	165.0	6.0	046	UNK	2.0	GPM	38	5	BED					
092G.001.2.2.3	008	0000000021045	3	18300					23	00	02	06	014	42	PAGE RD	29-11-1967	75.0	6.0	046	UNK	5.0	GPM	40	8	BED					
092G.001.2.2.3	009	0000000021906	3	11049					23	00	02	06	015	42	PAGE RD	01-11-1968	80.0	6.0	046	DRI	2.0	GPM	15	9	BED					
092G.001.2.2.3	010	0000000030480	1	18300					23	00	02	06	018	42	PAGE RD	01-06-1974	60.0	6.0	046	DRI	2.0	GPM	26	0	BED					
092G.001.2.2.3	011	0000000020276	3	18300					23	00	02	06	019	42		09-11-1966	50.0	6.0	046	UNK	0.7	GPM	17	10	BED					
092G.001.2.2.3	012	0000000026295	2	18300					23	00	01	07	019	42		16-05-1972	69.0	6.0	046	DRI	0.5	GPM	34	12	BED					
092G.001.2.2.3	013	0000000028793	2	15200					23	00	02	06	020	42	PAGE RD	01-09-1973	200.0	6.0	046	UNK			15	2	BED					
092G.001.2.2.3	014	0000000028989	1	15953					23	00	02	06	021	42	PAGE RD	01-10-1973	80.0	6.0	046	UNK	10.0	GPM	15	0	BED					
092G.001.2.2.3	015	0000000035474	11	24217						00	02	06	026	42	BRENTON PAGE ROAD	10-08-1976	120.0	6.0	046	DRI	20.0	GPM	20	11	BED					
092G.001.2.2.3	016	0000000039423	9	24217			2			00	02	06	026	42	BRENTON PAGE ROAD	28-03-1978	64.0	6.0	046	DRI			24	9	BED					
092G.001.2.2.3	017	0000000036483	4	18300					23	00	02	06	028	42	BRENTON PAGE ROAD	01-01-1977	105.0	6.0	046	DRI			17	10	BED					
092G.001.2.2.3	018	0000000046696	4	18300					23	00	02	06	029	42	KEIBEN ROAD	28-11-1980	185.0	6.0	076	DRI	9.0	USGM	UNK	8	BED					
092G.001.2.2.3	019	0000000036484	9	27664			2			00	02	06	030	42	DOOLE RD	01-01-1977	130.0	6.0	046	DRI			UNK	10	BED					
092G.001.2.2.3	020	0000000032207	5	27664			2		44	00	02	06	031	42	4845 JENNINGS PL.	19-03-1975	140.0	6.0	046	DRI	20.0	GPM	26	20	BED					
092G.001.2.2.3	021	0000000042874	7	24217			2		44	00	02	06	032	42	BRENTON PAGE ROAD	18-07-1979	84.0	6.0	046	DRI	0.5	GPM	39	4	BED					
092G.001.2.2.3	022	0000000053638	A	33519					23	00	02	06	037	42	JENNINGS PLACE	09-06-1984	500.0	6.0	046	DRI	20.0	GPM	UNK	2	BED					
092G.001.2.2.3	023	0000000053650	A	33519					23	00	02	06	038	42	JENNINGS PLACE	14-06-1984	380.0	6.0	046	DRI			UNK	0	BED					
092G.001.2.2.3	024	0000000007176	14G							00	01	06	004	42	ISLAND HIGHWAY	01-01-1950	0.0	0.0	UNK	UNK	5.0	GPM	UNK	UNK	UNC					
092G.001.2.2.3	025	0000000003388	18A							00	01	06	005	42		01-12-1949	42.0	6.0	108	DRI	5.0	GPM	26	UNK	UNC					
092G.001.2.2.3	026	0000000016042	27G							00	01	06	006	42		01-04-1959	74.0	6.0	108	DRI	25.0	GPM	1	69	BED					
092G.001.2.2.3	027	0000000007179	28G							00	01	06	007	42		01-01-1950	4.0	0.0	UNK	DUG			UNK	UNK	UNC					
092G.001.2.2.3	028	0000000007180	28G							00	01	06	008	42		01-01-1950	40.0	0.0	UNK	UNK			35	UNK	UNC					
092G.001.2.2.3	029	0000000015174	28G							00	01	06	009	42		01-07-1957	36.0	3.0	108	DRI	10.0	GPM	27	UNK	UNC					
092G.001.2.2.3	030	0000000018163								00	01	06	013	42	ISLAND HWY	27-07-1963	72.0	6.0	046	DRI	10.0	GPM	23	24	BED					
092G.001.2.2.3	031	0000000007183	80							00	01	06	000	42		01-01-1950	35.0	0.0	UNK	DUG			20	UNK	UNC					
092G.001.2.2.3	032	0000000034120	2	24217					44	00	02	06	023	42	BRENTON PAGE ROAD	01-01-1976	138.0	6.0	046	DRI	0.5	GPM	48	3	BED					
092G.002.1.1.3	001	0000000003510	13							00	04	07	001	42		01-01-1950	0.0	3.0	UNK	DRI	1.0	GPM	-	UNK	UNC			Y		
092G.002.1.1.3	002	0000000017978								00	04	06	001	42	KULLEET BAY	01-02-1963	125.0	5.0	108	DRI	2.0	GPM	10	8	BED					
092G.002.1.1.3	003	0000000021147								00	04	06	002	42		01-01-1968	115.0	0.0	032	DRI			UNK	UNK	UNC					
092G.002.1.1.3	004	0000000021148								00	04	06	002	42		01-01-1968	80.0	0.0	032	DRI	9.0	GPM	57	UNK	UNC	71-76				
092G.002.1.1.3	005	0000000041911								00	04	06	003	42	KULLEET BAY PUMPING	20-03-1979	475.0	6.0	046	DRI	5.0	GPM	259	168	BED					
092G.002.1.1.3	006	0000000032003								00	04	06	004	42	KULLEET BAY	15-01-1975	135.0	6.0	046	DRI	10.0	GPM	0	UNK	UNC	96-101				
092G.002.1.3.1	001	0000000034577	1	29615					48	00	04	07	002	42	DONNA ROAD	05-04-1976	200.0	6.0	046	DRI	0.5	GPM	76	0	BED					
092G.002.1.3.1	002	0000000045445	4	28176					57	00	04	07	003	42	DONNA RD	30-06-1980	190.0	6.0	078	UNK	7.0	GPM	72	7	BED					
092G.002.1.3.1	003	0000000050367	6	38453					48	00	04	07	004	42		05-06-1982	290.0	6.0	078	UNK	1.5	GPM	47	0	BED					
092G.002.1.3.1	004	0000000053434	3	32108					47	00	04	07	005	42	FILIPANA ROAD	05-04-1984	200.0	6.0	039	UNK	1.0	GPM	UNK	10	BED					



CHEMAINUS FIRST NATION

Scale: 1 : 50,000

Ministry of Environment, Lands & Parks | Date: February 2000 | Environment & Lands Division